Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

EB-133 BALLOON, PERSONNEL. GENERAL 37

M-60 INFLATION KIT
(REVISED 10-5-56)

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

CONFIDENTIAL

(Revised 10-5-56 JCW)

M-60 INFLATION KIT

PARTS LIST

Quantity Per Kit	Description	Part No.
1	Header "A" equipped to manifold 12 hydrogen-helium cylinders	235106
4	Header "B" equipped to manifold 12 hydrogen-helium cylinders	235110
100	18-inch Pigtails - fully annealed with handles	235112
24	30-inch Pigtails - fully annealed with handles	235112
6	48-inch Connecting Pigtails - fully annealed	235100
1	M-1393 High Press Valve	15853
1	M-1395 High Press Valve	15853
1	Adapter M-1393	235128
1	Adapter M-1395	235127
1	Ground Cloth #10 O.D. Cotton Duck 50 feet long 6 ft. 8 in. wide	
1	Tie Down Yoke	A11971
1	Cat. #W74 AMPCO 15-inch Adjustable Wrench	-
1	Cat. #W73 AMPCO 12-inch Adjustable Wrench	-
1	Cat. #WP 65T Spanner Adjustable 2 in. X 4-3/4 in. Capacity (AMPCO Metal)	-
2	1/2 inch Forged Steel Pipe Unions Catiwissa 1000-3000 psi	-
9	1 inch #720 4APV Acetate Fibre Tape	
2	3000 psi Pressure Gauge Face Diameter 2-1/2 inches 1/4 inch Male Connection Standard Pipe Thread	-

ORIGINAL CL BY 235979
☐ DECL ☒ REVW ON 25/06/2010
EXT BYND 6 YRS BY SAME
REASON 3 d (3)

DOC 1 REV DATE 25 JUN 1980 BY 064540
ORIG COMP 056 OPI 56 TYPE 30
ORIG CLASS M PAGES 33 REV CLASS C
JUST 22 NEXT REV 2010 AUTH: HR 70-2

CONFIDENTIAL

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M-60 INFLATION KIT PARTS LIST (Continued)

Quantity Per Kit	Description	Part No.
1	1509-8 50 ft. Lengths 1/2 inch I.D. Hydraulic Control Hose. Minimum 3500 psi Equipped With #4722 8-8½ Male Pipe Thread Fittings on Each End to Permit Coupling	-
1	1509-8 Lengths - Same As Above	-
6	1 inch Glass Fibre Tape #890 - 3M	-
2 rolls	Roll (250 Yd/Roll) 1000# Test Nylon	-
1	Tube Permatex #2 Non-Hardening Type	-
1	High Speed Diffuser	33039C
1	3/4 inch Nipple 4 inches long NPT	-

Supplement

100	Helium-Hydrogen Manifold Rubber Hose Pigtail (To Be Used Instead Of 235112)	235117
100	Helium-Hydrogen Cylinder Coupling Assembly (To Permit Use Of New Cylinders Which Are Equipped With An Internal Thread Connection)	235211

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10-5-56

M-60 INFLATION KIT

INSPECTION AND TESTING

I. INSPECTION:

All parts shall be subjected to an inspection which will maintain the desired standards of production. All items shall be inspected visually for corrosion, cracks, or other flaws which might lead to failure under conditions of use. Any part found unsatisfactory when inspected shall be rejected.

II. TESTING:

The entire manifold assembly shall be laid out and assembled to duplicate the conditions encountered in use and a minimum of three cylinders of high pressure helium connected.

With all outlets on the manifold and the high pressure hose shut off, the helium bottles shall be opened and the pressure allowed to build up to at least 2,200 psi. The complete assembly will remain under this pressure for 10 hours approximately. Any minor seepage is acceptable if not in excess. No audible hissing caused by a major leak shall be present. The helium must then be discharged through the diffuser as rapidly as possible. A maximum discharge time of three minutes for three cylinders is allowed. The cylinders may be considered discharged when the gauge pressure drops to 100 psi. The entire length of hose shall be checked for blisters, and, if any are found, the hose shall be rejected.

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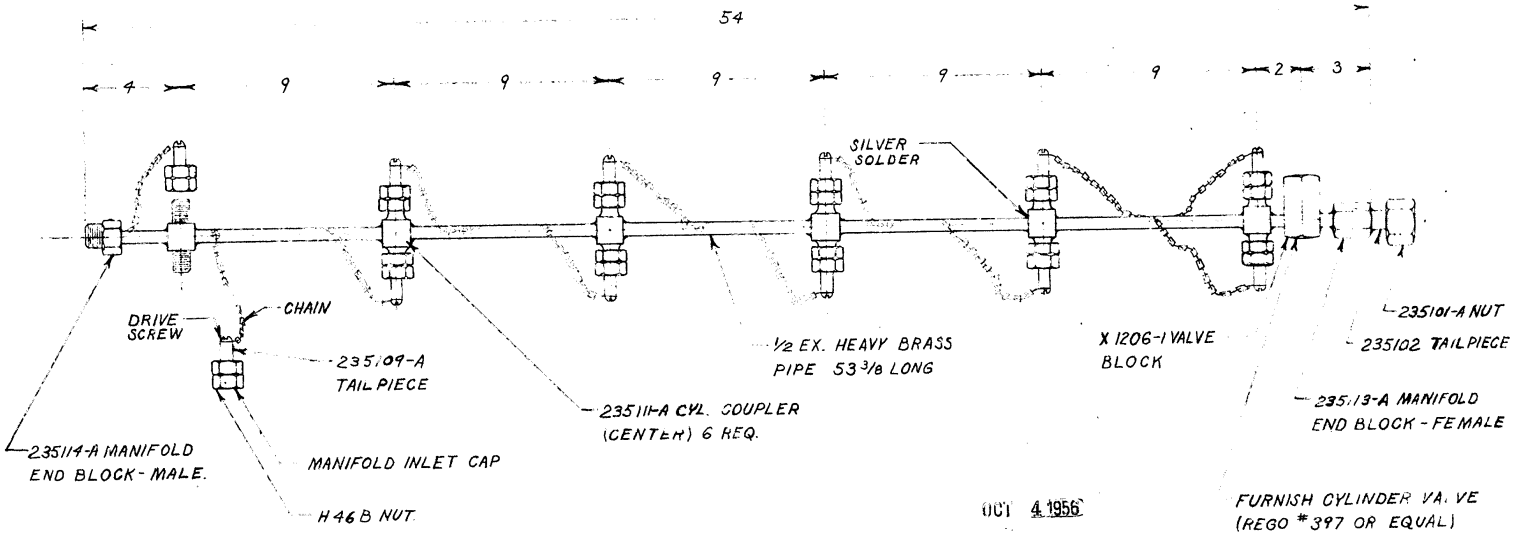
REVISIONS					
SYM	ZONE	ECO NO	DESCRIPTION	DATE	APPROVAL
		6-106	NEW RELEASE	8/13/56	R Long

235106 SHEET 1 OF 1

NOTE:
DO NOT ATTEMPT TO USE
THIS MANIFOLD WITH OXYGEN



OCT 4 1956

FURNISH CYLINDER VALVE
(REGO #397 OR EQUAL)
ATTACH TO VALVE BLOCK.

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES FRACTIONS DECIMALS ANGLES RADII	DR R.L.M. ENGR	NAME HELIUM/HYDROGEN MANIFOLD VALVE CYL. COUPLER SUB ASS'Y
		CHK JCW APPD R Long	
		ORIGINAL DATE OF DRAWING 8/13/56	
		APPLICABLE SPECIFICATIONS:	
MATERIAL	HEAT TREATMENT		SCALE 1" = 4" UNIT WT ~

[redacted]

DWG SIZE B | DWG NO 235106 | SHEET 1 OF 1

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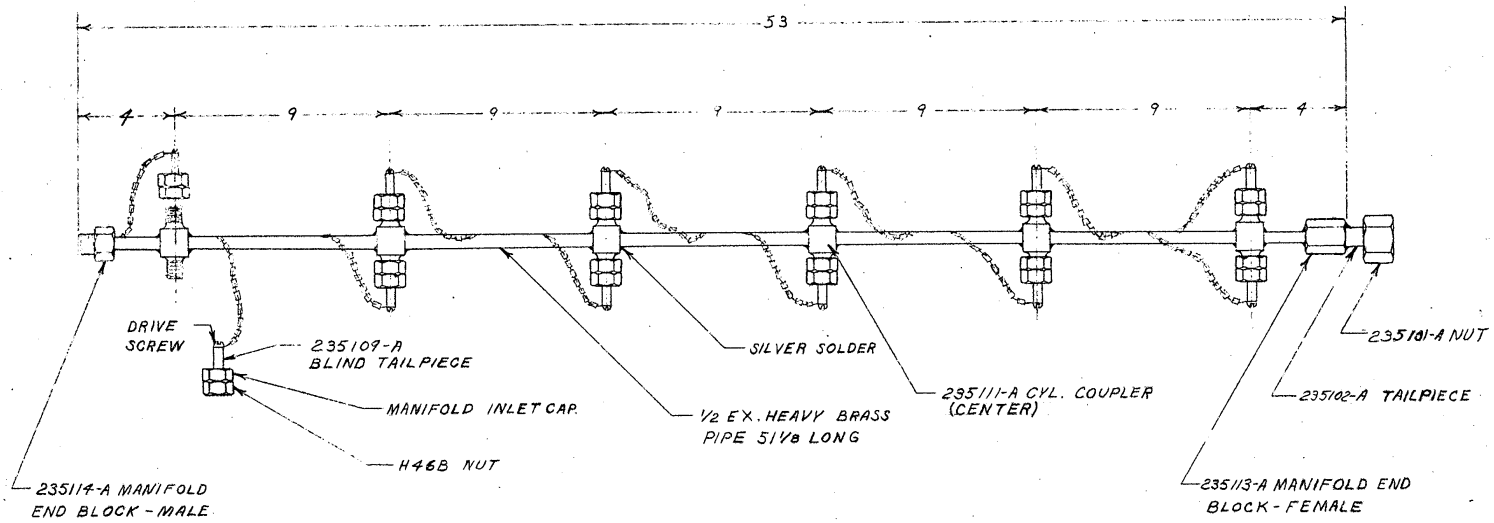
Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

REVISIONS					
SYM	ZONE	ECO NO	DESCRIPTION	DATE	APPROVAL
		6-110	NEW RELEASE		K. Long

235110 SHEET 1 OF 1

NOTE:
DO NOT ATTEMPT TOUSE
THIS MANIFOLD WITH OXYGEN



OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES FRACTIONS DECIMALS ANGLES RADII	DR RLM ENGR	NAME		
		CHK JCW APPD K Long	HELIUM / HYDROGEN MANIFOLD CYL. COUPLER SUB ASS'Y	[redacted]	
MATERIAL	HEAT TREATMENT	ORIGINAL DATE OF DRAWING 8/18/56		DWG SIZE B	DWG NO 235110
		APPLICABLE SPECIFICATIONS:	SCALE 1"=4" UNIT WT ~		SHEET 1 OF 1

6428 MD-9B

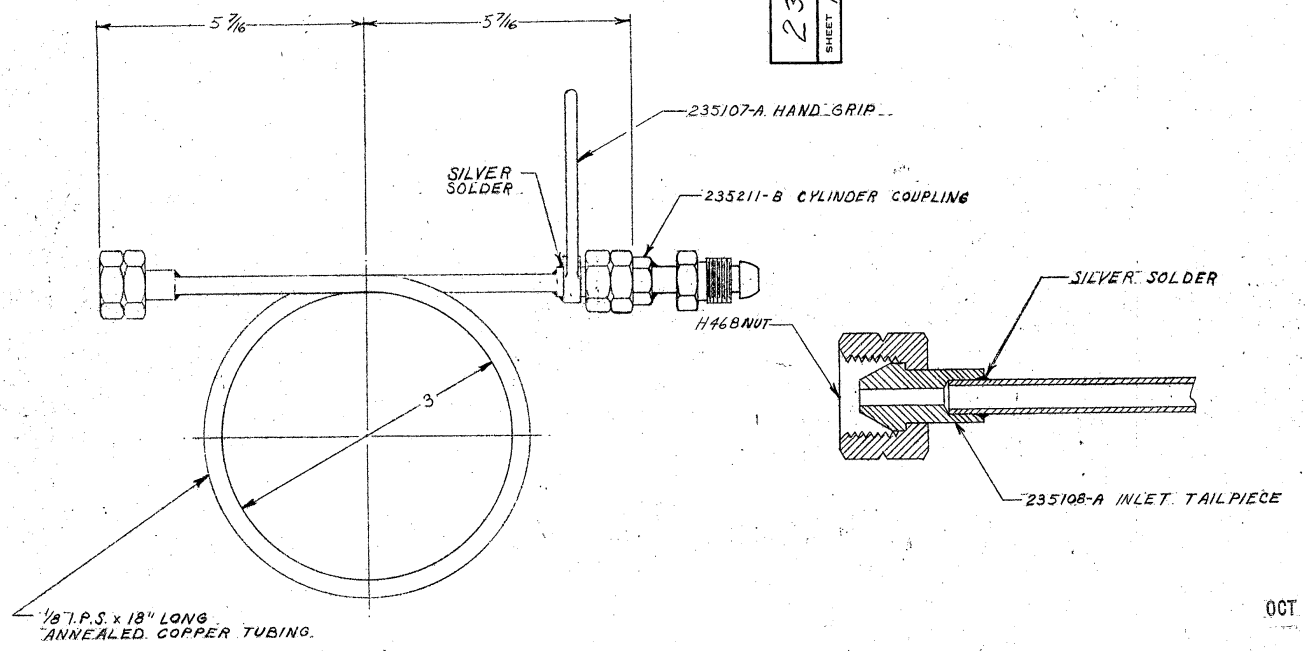
Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

REVISIONS					
SYM	ZONE	ECO NO	DESCRIPTION	DATE	APPROVAL
		6-112	NEW RELEASE	9/18/56	K Lang

NOTE:
DO NOT ATTEMPT TO USE
THIS MANIFOLD WITH OXYGEN

235112 SHEET 1 OF 1



OCT 4 1956

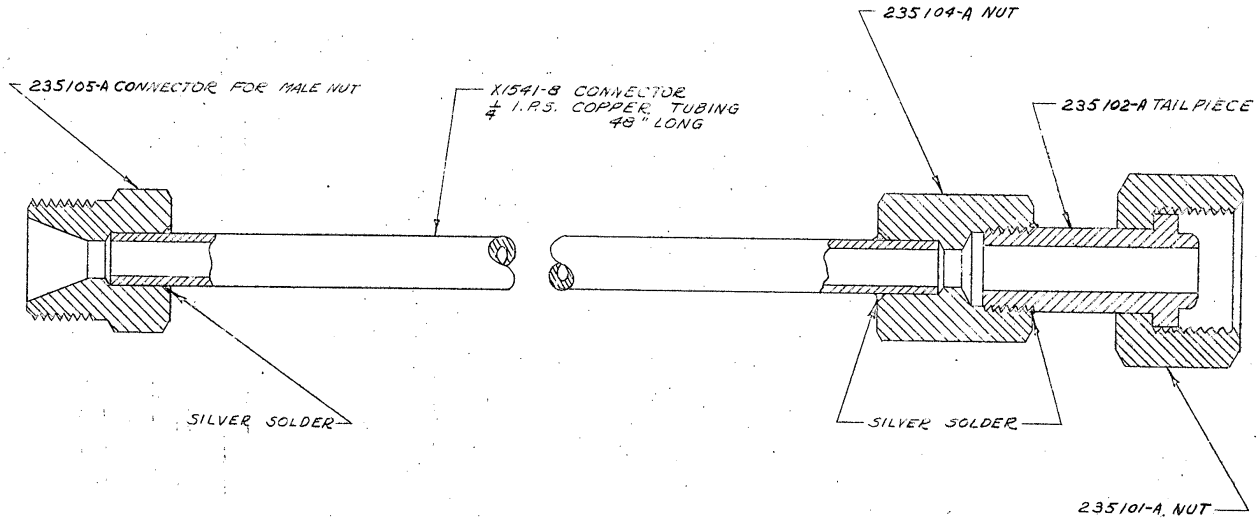
ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: FRACTIONS ±.010, DECIMALS ±.005, ANGLES ±1°, RADII	DR RLM, ENGR Unidentified	NAME: HELIUM / HYDROGEN MANIFOLD PIGTAIL SUB ASS'Y
MATERIAL	HEAT TREATMENT	CHK JCW, APPD K Lang	[redacted]
		ORIGINAL DATE OF DRAWING 8/18/56	DWG SIZE B, DWG NO 235112
		APPLICABLE SPECIFICATIONS:	SCALE 1/2" = 1", UNIT WT ~, SHEET 1 OF 1

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

REVISIONS					
SYM	ZONE	ECO NO	DESCRIPTION	DATE	APPROVAL
		6-100	New Release	19 Aug 56	K Long

235100 SHEET 1 OF 1



OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES FRACTIONS DECIMALS ANGLES RADII	DR RONAGHUE ENGR	NAME HELIUM/HYDROGEN MANIFOLD CONNECTOR	[redacted]
MATERIAL	HEAT TREATMENT	CHK VCW APPD K Long		DWG SIZE B / DWG NO 235100
		ORIGINAL DATE OF DRAWING 19 AUG 56		SHEET 1 OF 1
		APPLICABLE SPECIFICATIONS:	SCALE FULL UNIT WT	

8425 MO-9D

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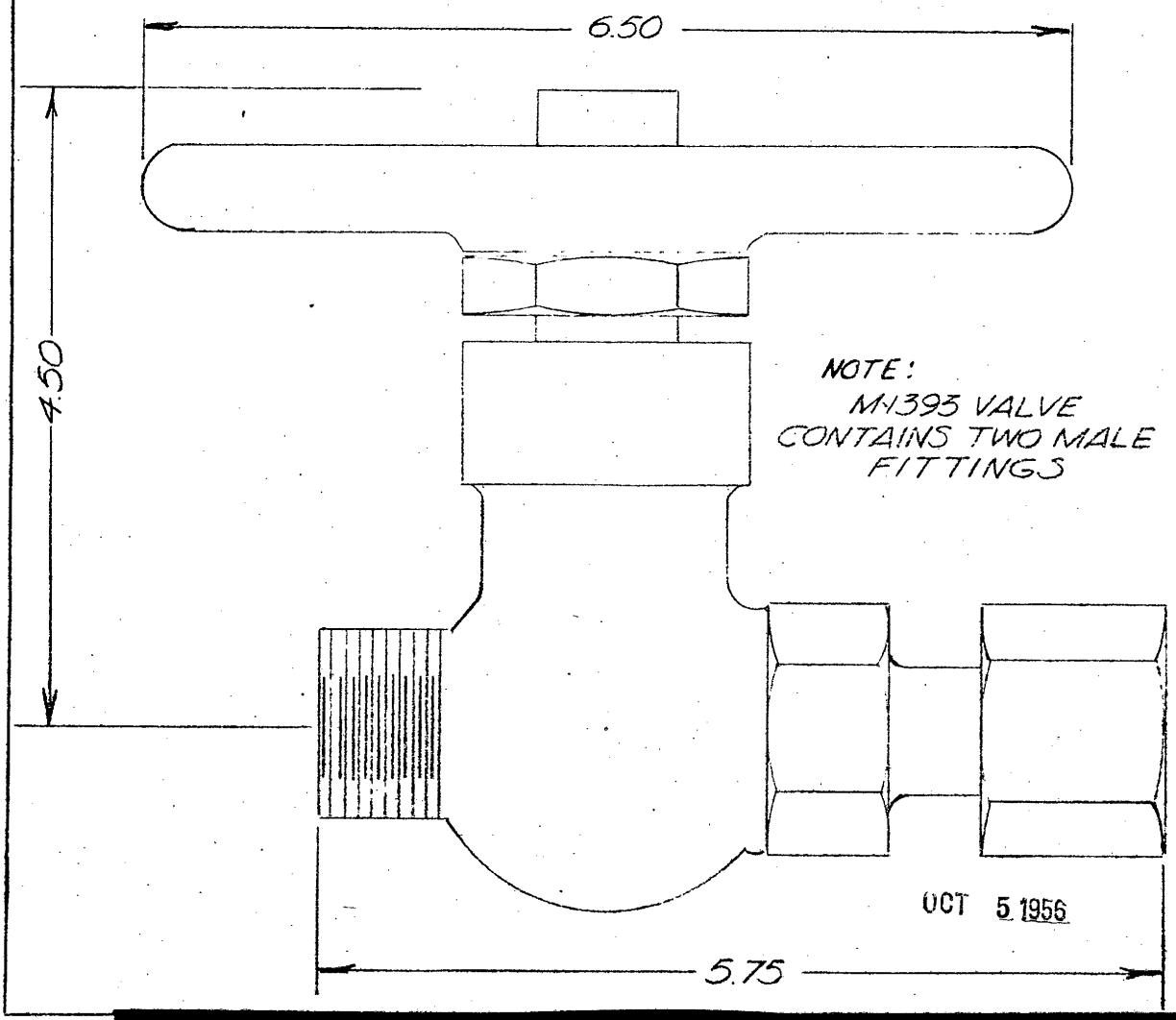
ASS'Y. DWGS.



NOTE:
M-1393 VALVE
CONTAINS TWO MALE
FITTINGS

OCT 5 1956

REVISIONS

MAC [redacted]

MAT'L. SPEC.
N.C.G. M-1395

DR. JCW	APP.
CH.	APP.
DATE 5-25-4	SCALE FULL

NAME
HIGH PRESSURE
VALVE

A-15853-A

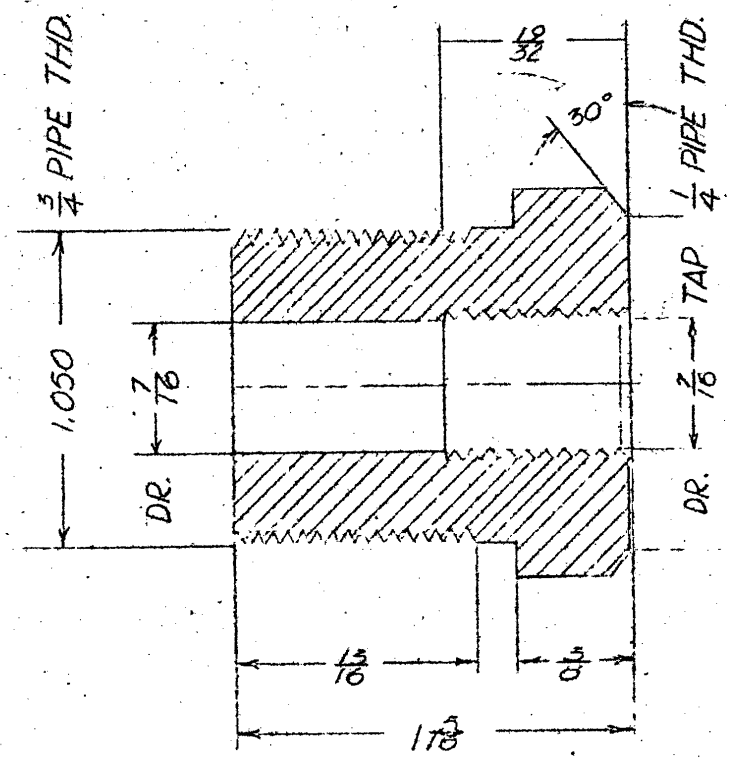
Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

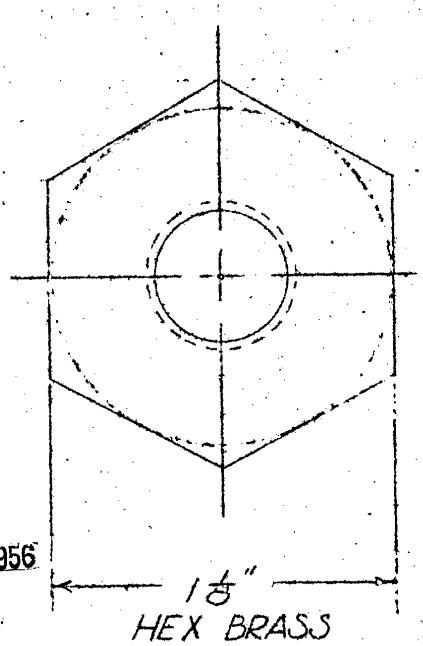
Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

235128

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	6-120	NEW RELEASE	8-28-56	K. Lang





OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: FRACTIONS DECIMALS ANGLES RADII	DR JCW / ENGR	NAME: HELIUM / HYDROGEN MANIFOLD ADAPTER VALVE M-1393
		CHKD JCW / APPD K. Lang	
		ORIGINAL DATE OF DRAWING 8.24.56	
		APPLICABLE SPECIFICATIONS:	
MATERIAL: 1 1/8 HEX BRASS ROD	HEAT TREATMENT	SCALE DOUBLE / UNIT WT	DWG SIZE A

235128

SHEET 1 OF 1

8428 MD-9A

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

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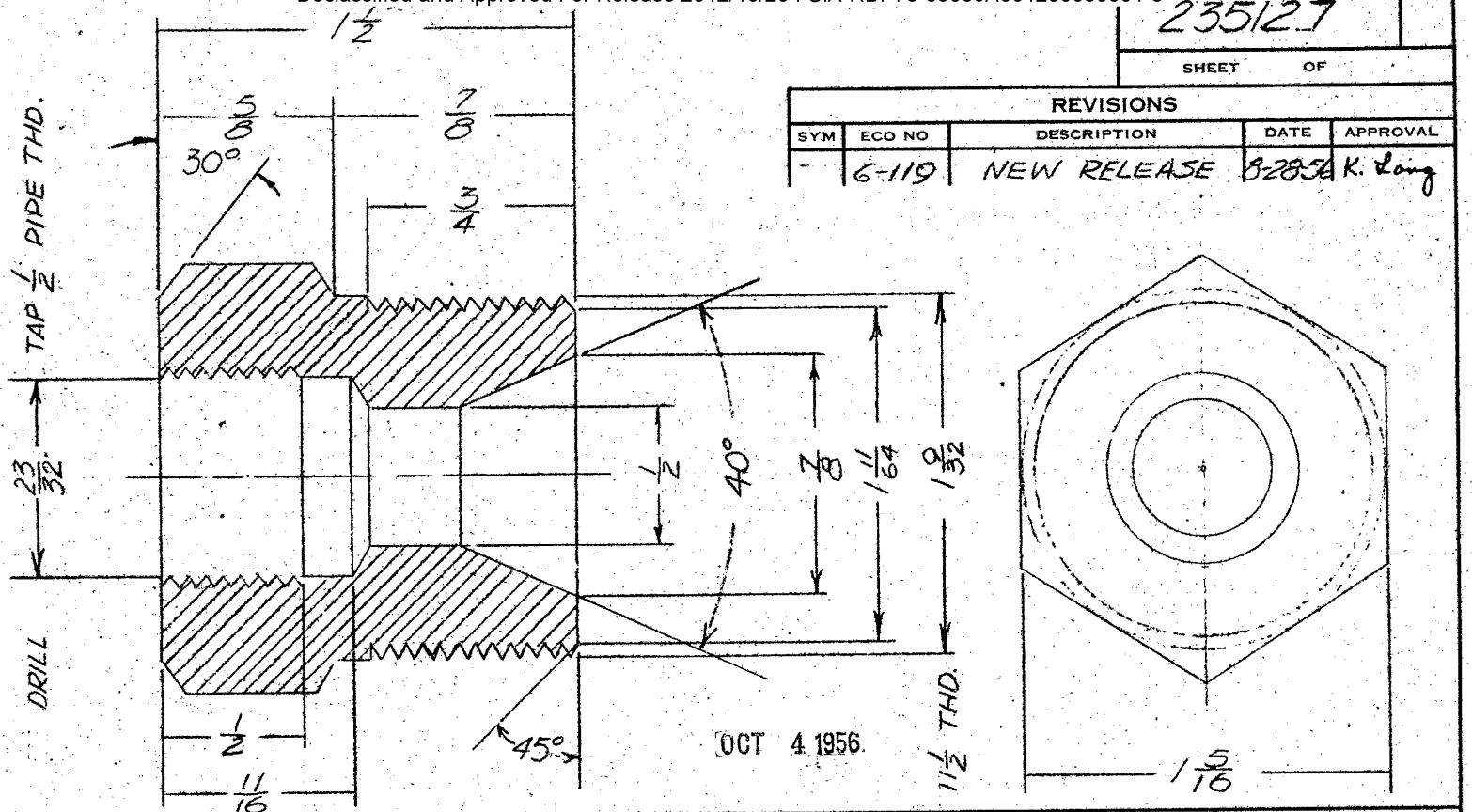
235127

SHEET OF

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
-	6-119	NEW RELEASE	8-28-56	K. Long



ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES FRACTIONS DECIMALS ANGLES RADII	DR. JCW / ENGR.	NAME: HELIUM-HYDROGEN MANIFOLD ADAPTER VALVE M-1395
		CHKD JCW / APPD K. Long	[redacted]
		ORIGINAL DATE OF DRAWING 8-28-56	
MATERIAL: 1 5/16 HEX BRASS ROD	HEAT TREATMENT	APPLICABLE SPECIFICATIONS:	SCALE DOUBLE / DWG SIZE A / 235127
			UNIT WT / SHEET 1 OF 1

8428 MD-9A

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

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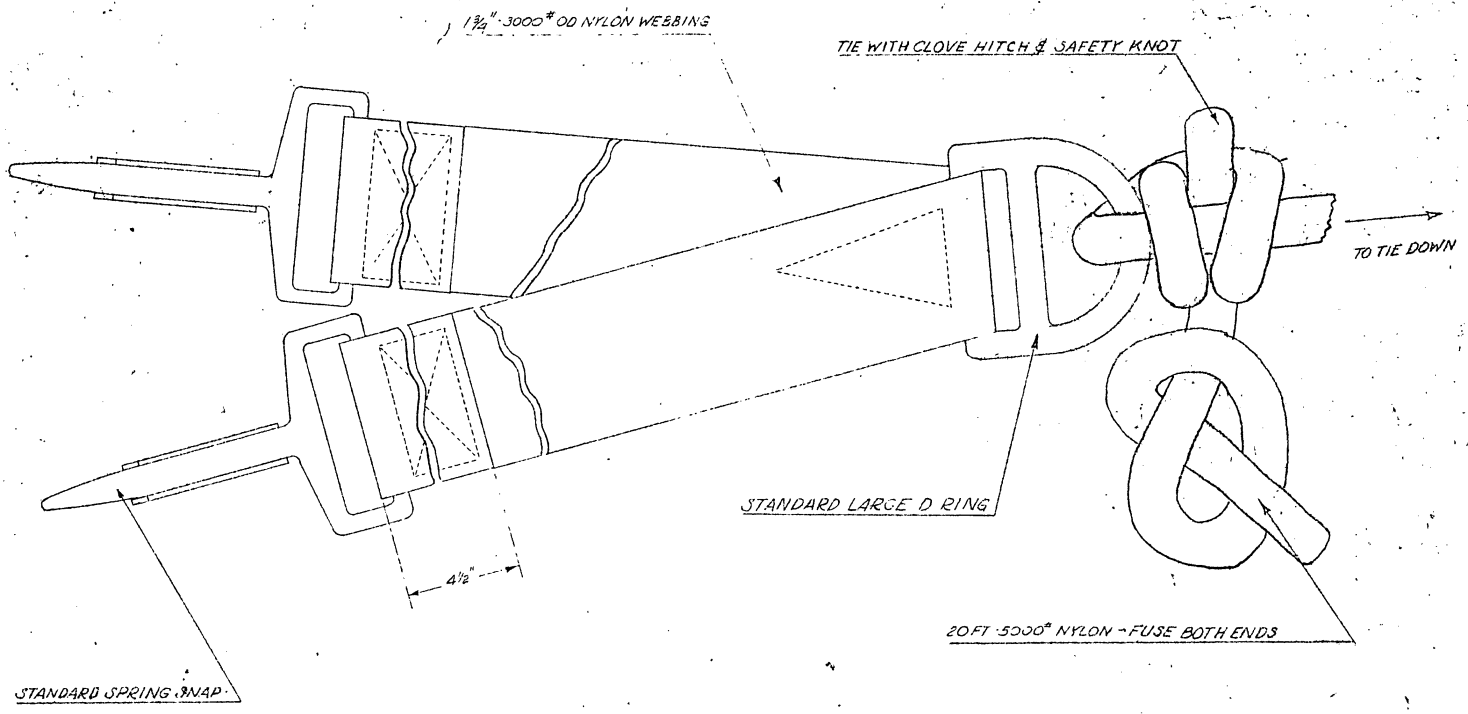
1¾"-3000# OD NYLON WEBBING
TIE WITH CLOVE HITCH & SAFETY KNOT
TO TIE DOWN
STANDARD LARGE D RING
4½"
20 FT-5000# NYLON - FUSE BOTH ENDS
STANDARD SPRING SNAP

DEVELOPED LENGTH OF WEBBING - 54"

SEW IN ACCORDANCE WITH STANDARD PARACHUTE HARNESS PROCEEDURE.

TIE DOWN YOKE

OCT 4 1956

A-11971-B

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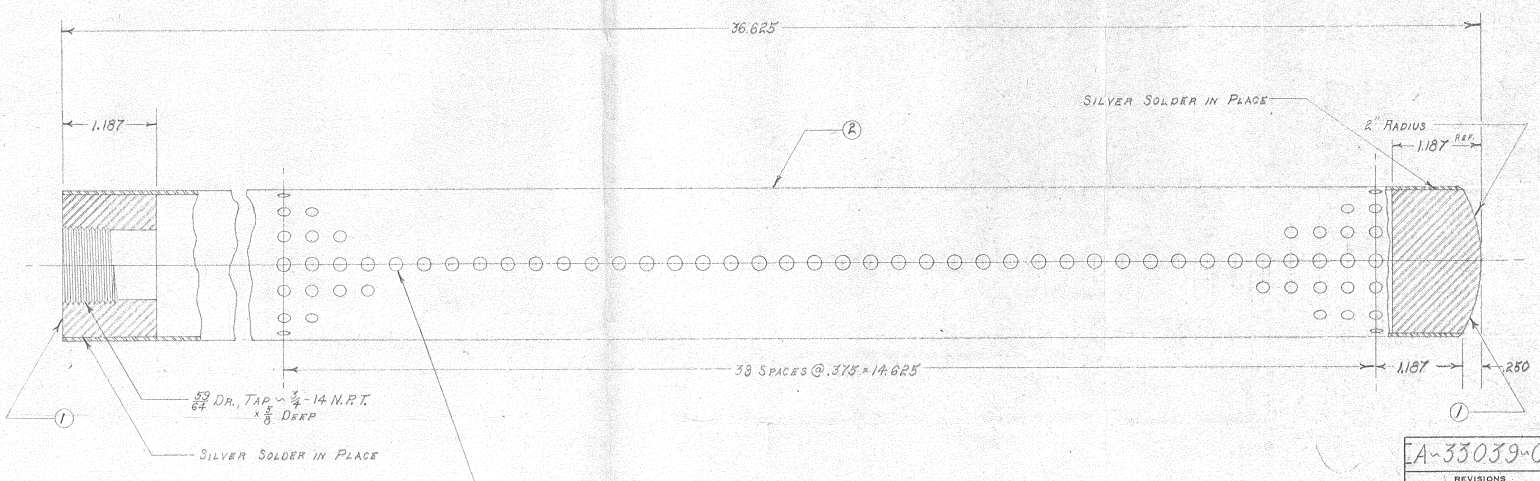
5028 - MO-IC

ASS'Y. DWGS.


36.625
1.187
SILVER SOLDER IN PLACE
2" RADIUS
1.187 REF.
2
38 SPACES @ .375 = 14.625
1.187
.250
1
59/64 DR., TAP ~ 3/4-14 N.P.T. x 5/8 DEEP
SILVER SOLDER IN PLACE
3/16 DR. ~ 640 HOLES. EQUALLY SPACED CIRCUMFERENTIALLY, 16 HOLES TO A RANK; AND 40 HOLES TO A FILE

(1) 304 STN. STL. STOCK ~ 1.906 DIA x 1.187

(2) 304 STN. STL. TUBING ~ 2" O.D. x .047 WALL THICKNESS x 36 3/8" LENGTH

EA-33039-C

REVISIONS

MAT'L. SPEC.	NOTED
DR. EK	APP.
CH.	APP.
DATE 8-23-55	SCALE FULL
NAME	DIFFUSER

EA-33039-C

OCT 4 1956

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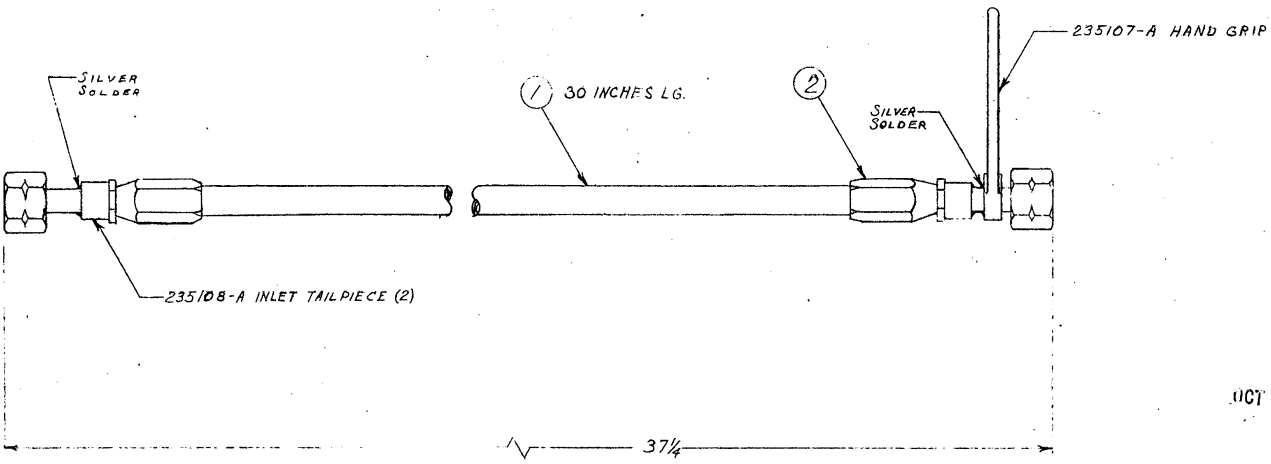
REVISIONS					
SYM	ZONE	ECO NO	DESCRIPTION	DATE	APPROVAL
		6-96	NEW RELEASE		K Long

235117 SHEET / OF /



OCT 4 1956

ITEM	QUAN.	PART NO.	DESCRIPTION
2	2	MALE FITTINGS	4731-4 IN. SHEET 27 AEROQUIP CORP.
1	1	DOUBLE WIRE BRAID HOSE	1/4 I.D. 1509-4 IN. SHEET 27 AEROQUIP CORP.

BILL OF MATERIAL

ADDITIVE FINISH

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES
FRACTIONS DECIMALS ANGLES RADII

DR R.L.M. ENGR Outerbridge
CHK JCW APP K Long
ORIGINAL DATE OF DRAWING 8/20/56
APPLICABLE SPECIFICATIONS:

NAME

HELIUM / HYDROGEN MANIFOLD - RUBBER HOSE PIGTAIL

[redacted]

MATERIAL

HEAT TREATMENT

SCALE 1" = 1" UNIT WT

DWG SIZE B

DWG NO 235117

SHEET 1 OF 1

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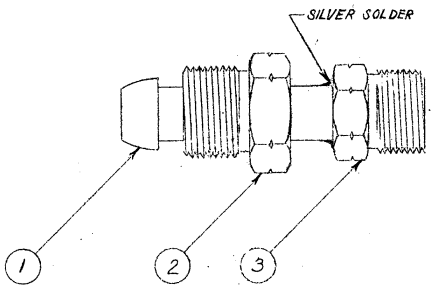
REVISIONS					
SYM	ZONE	ECO NO	DESCRIPTION	DATE	APPROVAL
		6-224	NEW RELEASE	10/2/56	KMR

235211 SHEET 1 OF 1



OCT 4 1956

ITEM	QUAN.	PART NO.	DESCRIPTION
3	1	235210	HELIUM/HYDROGEN VALVE OUTLET
2	1	235209	HELIUM/HYDROGEN HEX. NUT
1	1	235208	HELIUM/HYDROGEN NIPPLE

BILL OF MATERIAL

ADDITIVE FINISH

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES
FRACTIONS DECIMALS ANGLES RADII

DR R.L.M. ENGR
CHK JCW APPD K.M.R.
ORIGINAL DATE OF DRAWING 10/2/56
APPLICABLE SPECIFICATIONS:

NAME
HELIUM / HYDROGEN CYLINDER COUPLING ASSY

[redacted]

MATERIAL

HEAT TREATMENT

FULL UNIT WT

DWG SIZE B

DWG NO 235211

SHEET 1 OF 1

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

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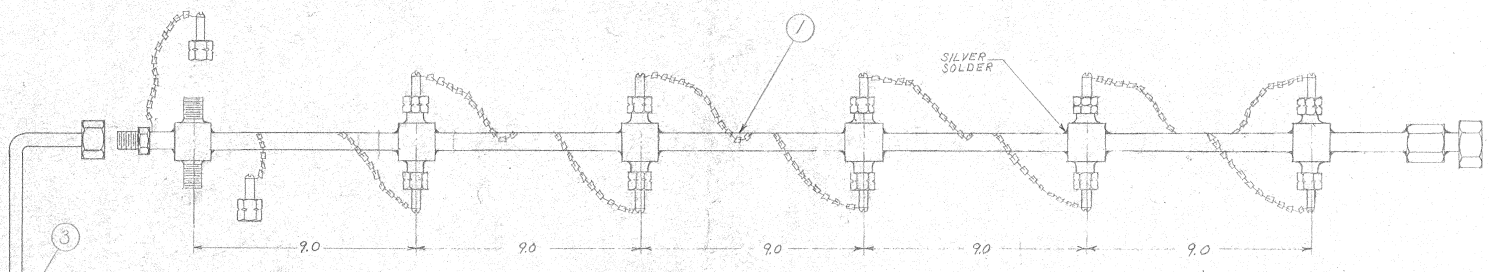
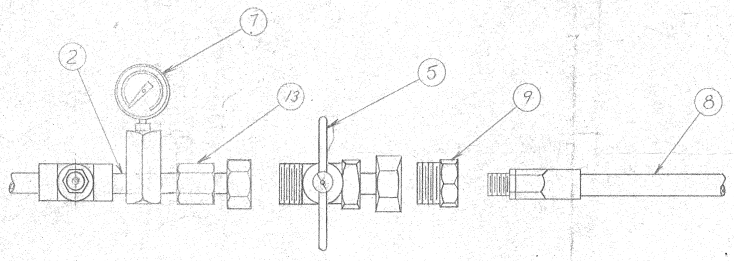
REVISIONS					
SYM	ZONE	ECO NO.	DESCRIPTION	DATE	APPROVAL
		6-121	NEW RELEASE	9/28/56	K. Terry

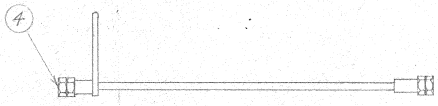
NOTE:
HEADER A IS THE SAME AS HEADER B EXCEPT THAT ITEMS X 1206-1 VALVE BLOCK & VALVE OF DWG. 235106 ARE OMITTED



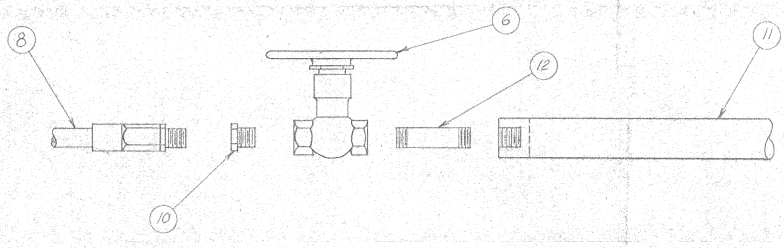
HEADER B



HEADER A



PIGTAIL



235129
SHEET 1 OF 1

OCT 4 1956

ITEM	QUAN.	PART NO.	DESCRIPTION
13	1	235113-A	HELIUM/HYDROGEN MANIFOLD END BLOCK
12	1		3/4" NIPPLE 4" LONG
11	1	A-11954-C	HIGH SPEED DIFFUSER
10	1	235128-A	ADAPTER M-1393 (BRASS)
9	1	235127-A	ADAPTER M-1395 (BRASS)
8	1	A-15854-C	100' 1/2" I.D. HYDRAULIC CONTROL HOSE
7	1	A-15852-A	2 1/2" 3000# H.P. GAUGE
6	1	A-15853-A	HIGH PRESSURE VALVE M-1393
5	1	A-15853-A	HIGH PRESSURE VALVE M-1395
4	124	235112-B	100-18" - 24-30" 1/8" COPPER TUBE
3	6	235100-B	M 236 1/4" SPS COPPER TUBE 4" LG.
2	1	235106-B	M 234 3/4" COPPER 54" LONG
1	1	235110-B	M 234 3/4" COPPER 53" LONG

BILL OF MATERIAL

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES: FRACTIONS DECIMALS ANGLES RADII	DR RLM ENGR D.C. Gerlick	NAME: M 60 INFLATION KIT ASSEMBLY
		CHK JAW APPD K. Terry	
		ORIGINAL DATE OF DRAWING 8/21/56	
MATERIAL	HEAT TREATMENT	APPLICABLE SPECIFICATIONS:	SCALE NONE UNIT WT ~

[redacted]

DWG SIZE C | DWG NO 235129 | SHEET 1 OF 1

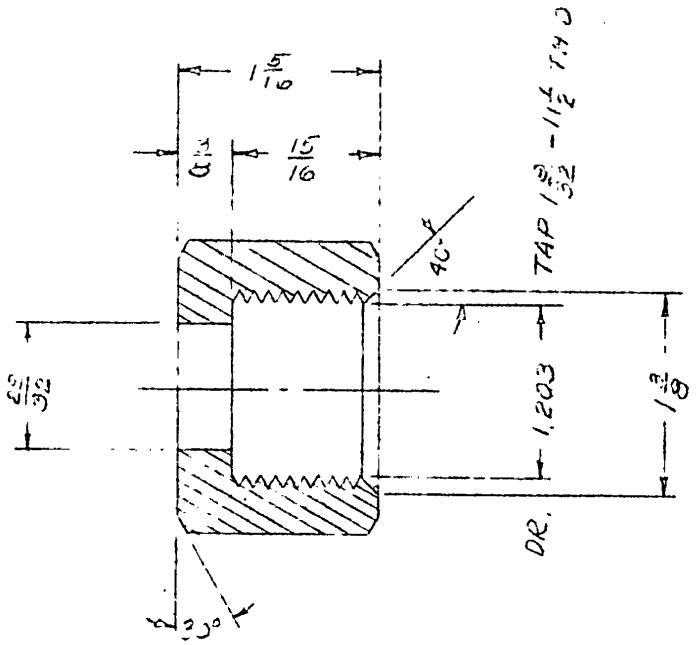
Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

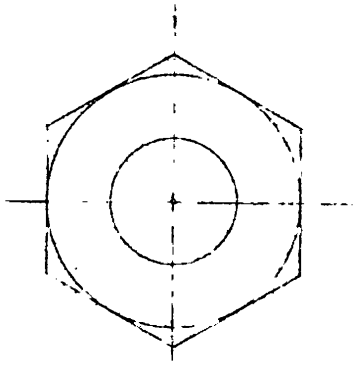
Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

235101

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	6-101	New Revision	Briggs	K. Young





OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: FRACTIONS DECIMALS ANGLES RADII	DR DONAGHUE; DSGR [illegible]; CHKD JCW; APPD K. Young; ORIGINAL DATE OF DRAWING 18 Aug 56; APPLICABLE SPECIFICATIONS:	NAME HELIUM / HYDROGEN MANIFOLD CONNECTION NUT
MATERIAL 1 3/4 HEX. BRASS ROD	HEAT TREATMENT		SCALE FULL; UNIT WT; DWG SIZE A; 235101; SHEET 1 OF 1

0428 MD-9A

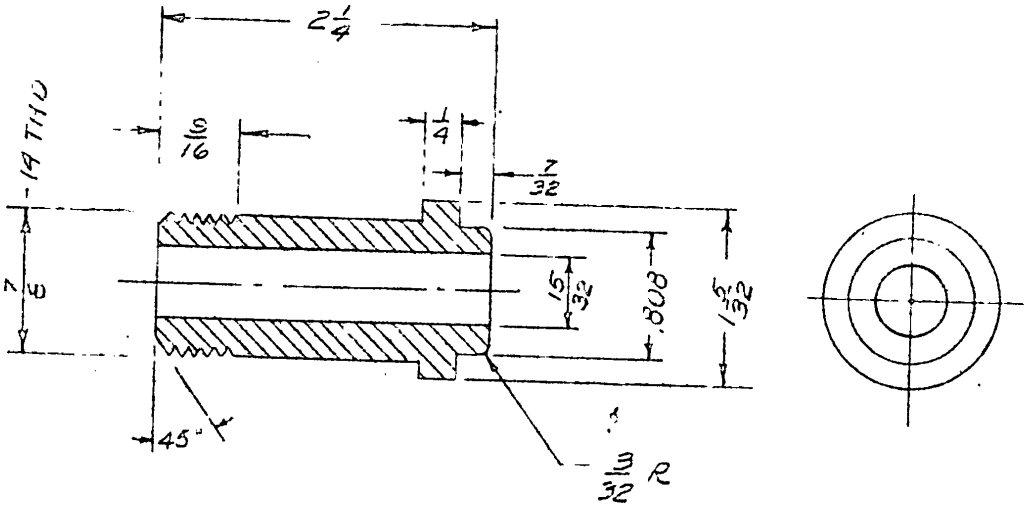
Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

235102

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	S-102	NEW RELEASE	12-4-56	K. Long



OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: FRACTIONS DECIMALS ANGLES RADII	DR DONAGHUE; ENGR; CHKD JCW; APPD K. Long; ORIGINAL DATE OF DRAWING 12 AUG 56; APPLICABLE SPECIFICATIONS:	NAME HELIUM / HYDROGEN MANIFOLD INLET TAILPIECE [redacted]
MATERIAL 1 3/16 DIA. BRASS ROD	HEAT TREATMENT		SCALE FULL; UNIT WT; DWG SIZE A; 235102; SHEET 1 OF 1

C425 MD-9A

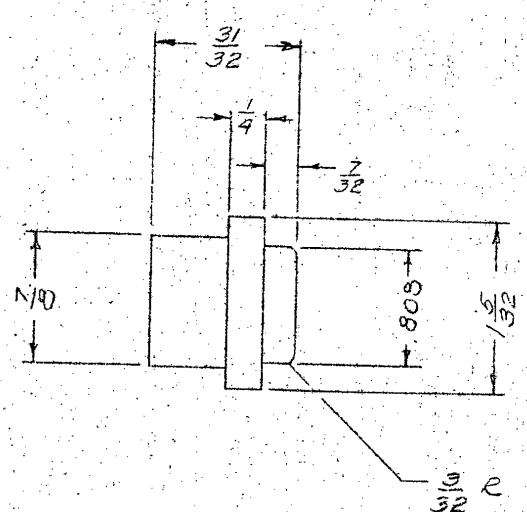
Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

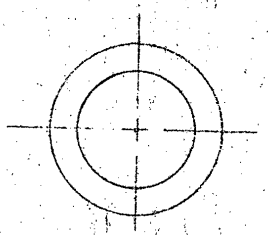
Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

235103

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	G-103	New Release	8 Aug 56	K. Lang





OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES FRACTIONS DECIMALS ANGLES RADII	DR DONAGHUE; ENGR [illegible]; CHKD JCW; APPD K. Lang; ORIGINAL DATE OF DRAWING 18 Aug 56; APPLICABLE SPECIFICATIONS:	NAME HELIUM/HYDROGEN MANIFOLD BLIND TAILPIECE
MATERIAL 1/2 16 DIA. BRASS ROD	HEAT TREATMENT		SCALE FULL; UNIT WT; DWG SIZE A; 235103; SHEET 1 OF 1

8428 MD-9A

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

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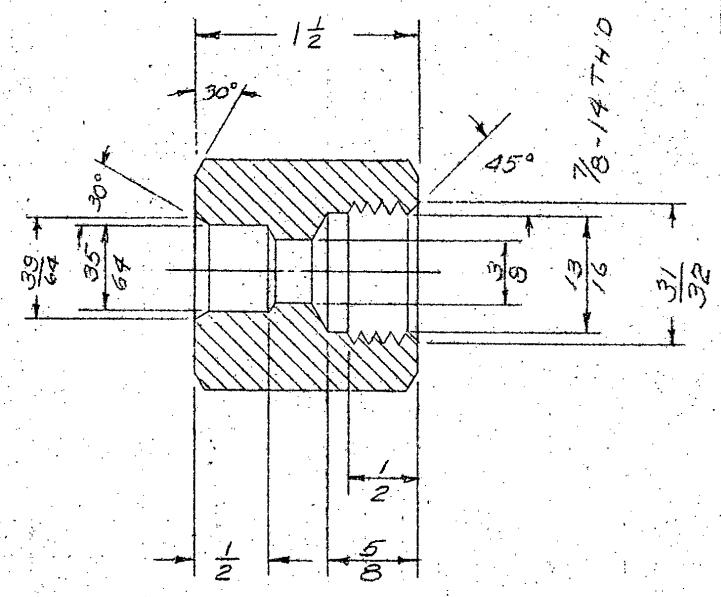
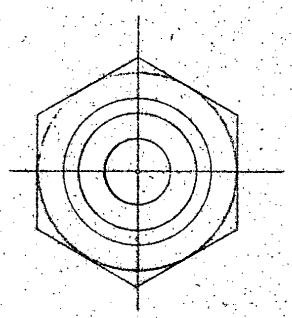
235104

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	6-104	New Release	18 Aug 56	K. Long





OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: FRACTIONS DECIMALS ANGLES RADII	DR DONAGHUE; ENGR; CHKD JCW; APPD K. Long; ORIGINAL DATE OF DRAWING 18 AUG 56; APPLICABLE SPECIFICATIONS:	NAME: HELIUM / HYDROGEN MANIFOLD CONNECTOR NUT [redacted]
MATERIAL: 1 5/16 HEX BRASS ROD	HEAT TREATMENT		SCALE FULL; UNIT WT.; DWG SIZE A; 235104; SHEET 1 OF 1

8428 MD-9A

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

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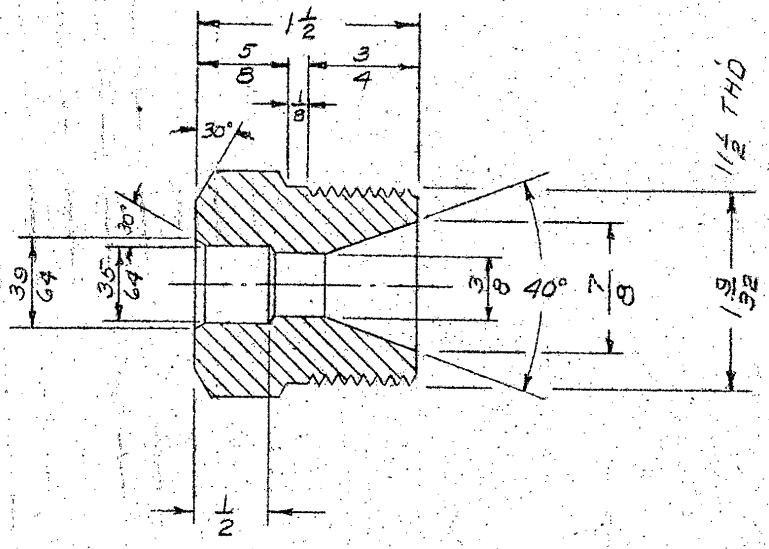
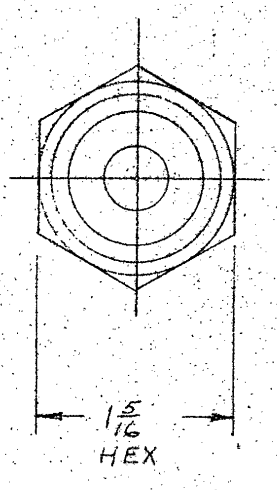
235105

SHEET / OF /

REVISIONS

SYM	ECO NO.	DESCRIPTION	DATE	APPROVAL
	6-105	New Release	18Aug56	K. Long





OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES FRACTIONS DECIMALS ANGLES RADII ±.010 ±.005 ±1°	DR DONAGHUE ENGR [redacted] CHKD JCW APPD K. Long ORIGINAL DATE OF DRAWING 18Aug56 APPLICABLE SPECIFICATIONS:	NAME HELIUM / HYDROGEN MANIFOLD CONNECTOR MALE NUT
MATERIAL 1 5/16 HEX. BRASS ROD	HEAT TREATMENT		SCALE FULL UNIT WT DWG SIZE A 235105 SHEET / OF /

8428 MD-9A

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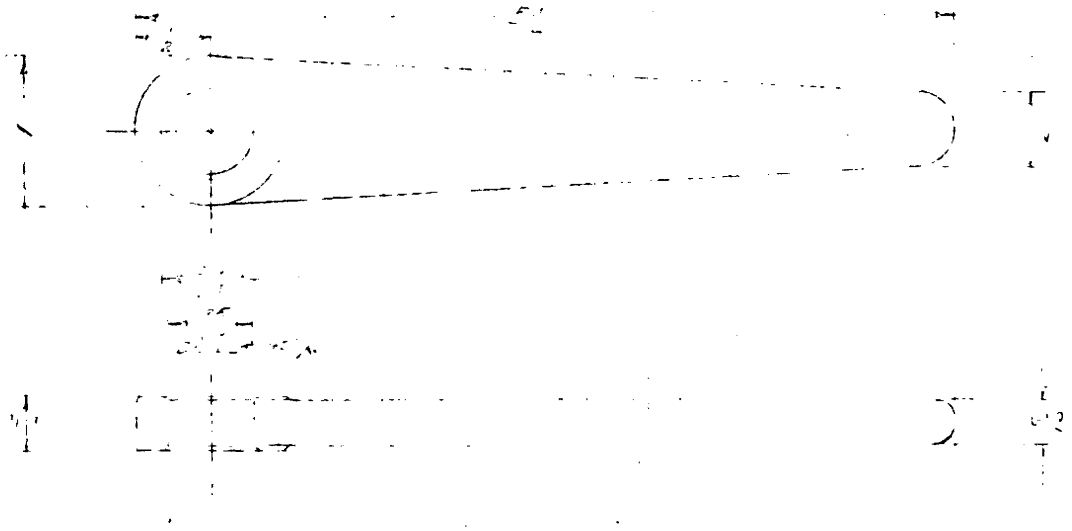
235107

SHEET / OF /

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
				K. Lang



OCT 4 1956

SMITH MFG. CO. EQ. PREVENTS MIS. MAKE [illegible] SMITH

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES FRACTIONS DECIMALS ANGLES RADII ± .015 ± .005 ± 1°	DR	ENGR	NAME [redacted]
		CHKD VCW	APPD K. Lang	
		ORIGINAL DATE OF DRAWING 10-4-56		
		APPLICABLE SPECIFICATIONS:		
MATERIAL	HEAT TREATMENT			SCALE FULL DWG SIZE A 235107
				UNIT WT SHEET / OF /

3428 MD-9A

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

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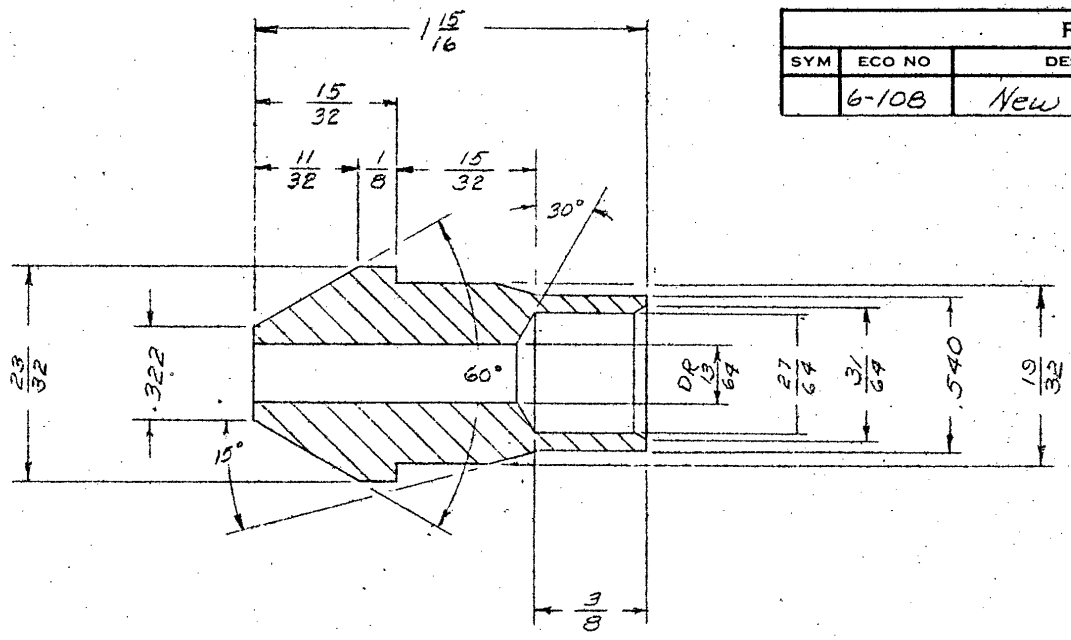
235108

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	6-108	New Release	8 Aug 56	K. Long



OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES FRACTIONS DECIMALS ANGLES RADII: ±.010 ±.005 ±1°	DR DONAGHUE; ENGR [illegible]; CHKD JPW; APPD K. Long; ORIGINAL DATE OF DRAWING 18 Aug 56; APPLICABLE SPECIFICATIONS:	NAME: HELIUM / HYDROGEN MANIFOLD INLET TAILPIECE [redacted]	
MATERIAL: 3/4 DIA. BRASS ROD	HEAT TREATMENT		SCALE 2x; UNIT WT	DWG SIZE A; 235108; SHEET 1 OF 1

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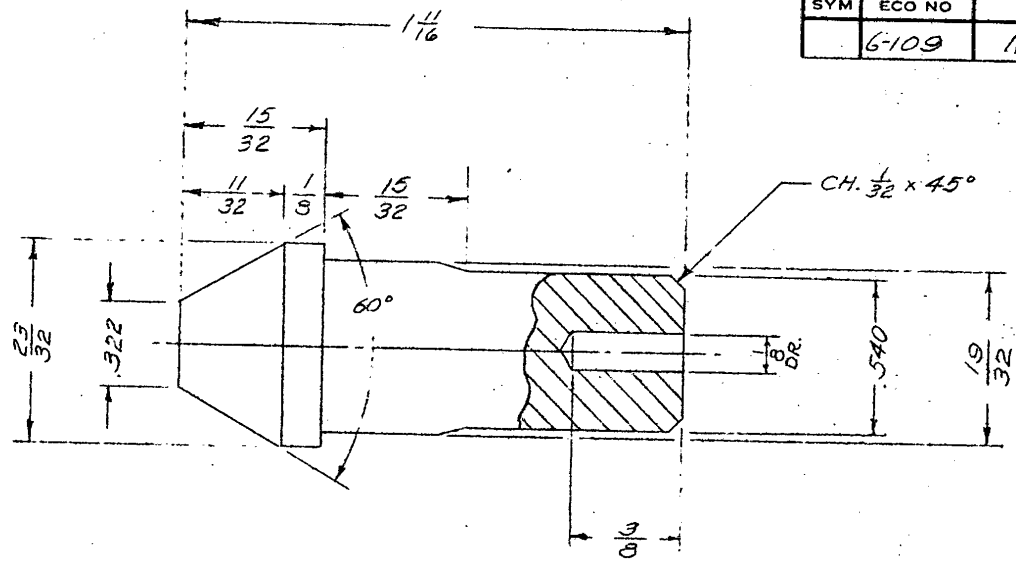
235109

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	6-109	New Release	18Aug56	K. Lang



OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES FRACTIONS DECIMALS ANGLES RADII ±.010 ±.005 ±1°	DR DONAGHUE; ENGR; CHKD JCW; APPD K. Lang; ORIGINAL DATE OF DRAWING 18 AUG 560; APPLICABLE SPECIFICATIONS:	NAME HELIUM/HYDROGEN MANIFOLD BLIND TAILPIECE [redacted]
MATERIAL 3/4 DIA. BRASS ROD	HEAT TREATMENT		SCALE 2X; UNIT WT; DWG SIZE A; 235109; SHEET 1 OF 1

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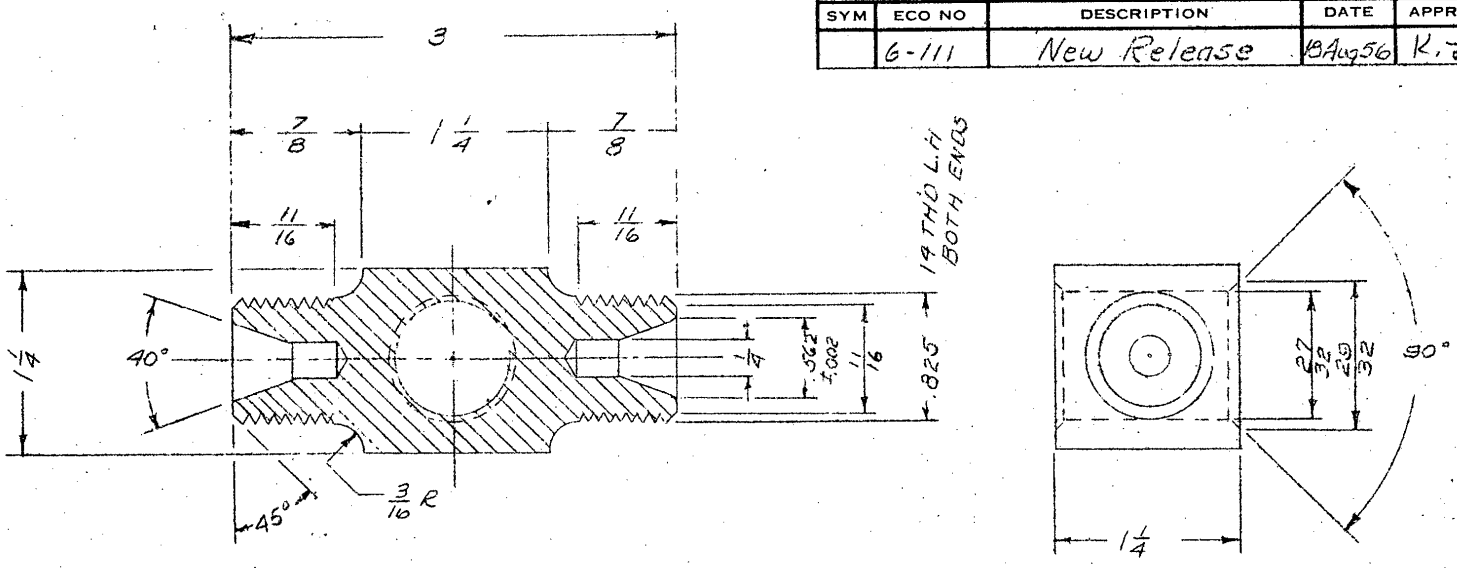
235111

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	6-111	New Release	18Aug56	K. Lang



1/4 DIA HOLE DRILLED THRU AT ASS'Y.

OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES FRACTIONS DECIMALS ANGLES RADII	DR DONAGHUE	ENGR	NAME HELIUM / HYDROGEN MANIFOLD CYLINDER COUPLER (CENTER)
		CHKD JCW	APPD K. Lang	[redacted]
		ORIGINAL DATE OF DRAWING 18 AUG 56		
		APPLICABLE SPECIFICATIONS:		
MATERIAL 1/4 SQ BRASS ROD	HEAT TREATMENT	SCALE FULL	DWG SIZE A	235111
		UNIT WT		SHEET 1 OF 1

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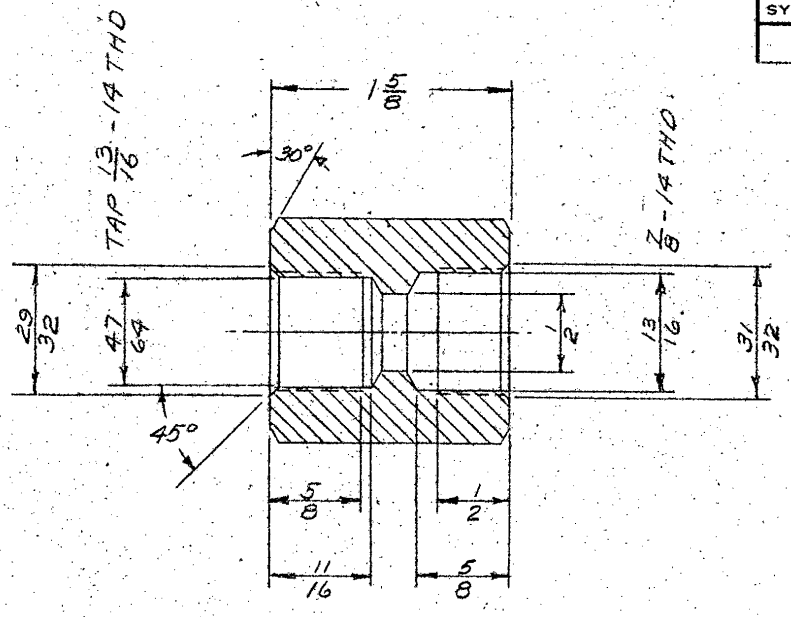
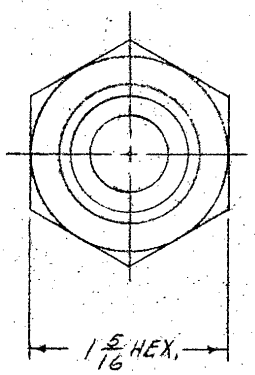
235113

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	G-113	New Release	18AUG56	K. Lang





OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES FRACTIONS DECIMALS ANGLES RADII	DR DONAGHUE / ENGR Engelsteiner	NAME HELIUM / HYDROGEN MANIFOLD. MANIFOLD END BLOCK - FEMALE [redacted]	
		CHKD JCW / APPD K. Lang		
		ORIGINAL DATE OF DRAWING 18AUG 56		
MATERIAL 1 5/16 HEX. BRASS ROD	HEAT TREATMENT	APPLICABLE SPECIFICATIONS:	SCALE FULL / UNIT WT	DWG SIZE A

235113

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8426 MQ-9A

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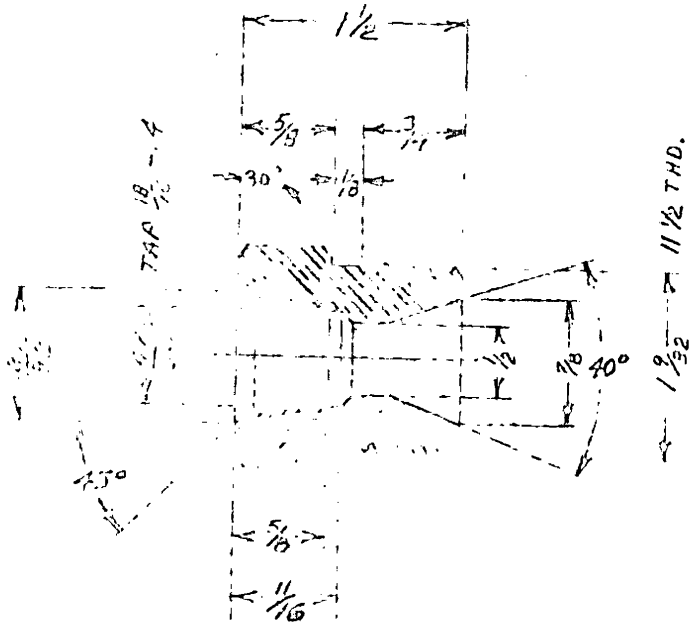
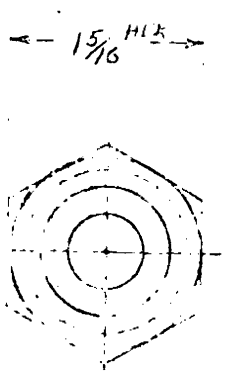
235114

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	6-114	NEW RELEASE	8/18/56	K Long





OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: FRACTIONS DECIMALS ANGLES RADII ±.010 ±.005 ±1°	DR R.L.M. ENGR	NAME: HELIUM / HYDOGEN MANIFOLD END BLOCK MALE [redacted]
MATERIAL	HEAT TREATMENT	CHKD JCW APPD R Long	
		ORIGINAL DATE OF DRAWING 8/18/56	
		APPLICABLE SPECIFICATIONS:	SCALE FULL DWG SIZE A 235114
			UNIT WT 2 SHEET 1 OF 1

8429 MD-9A

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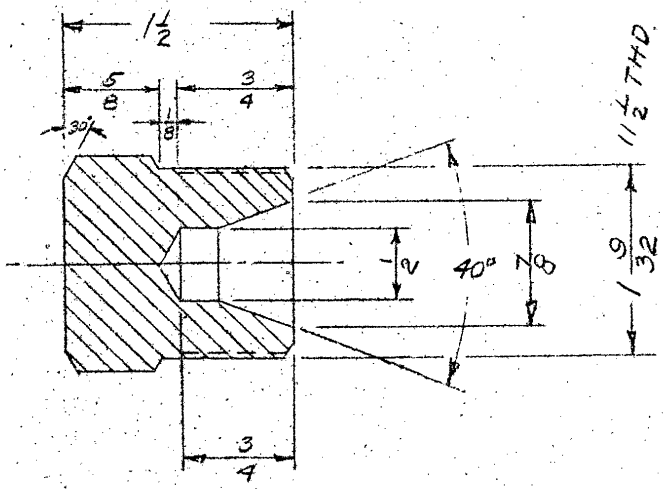
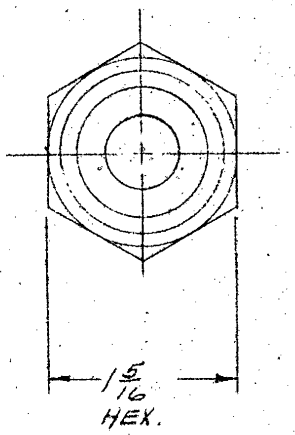
235115

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	6-115	- New Release	18Aug56	K Long





OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES FRACTIONS, DECIMALS ANGLES RADII	DR DONAGHUE ENGR	NAME HELIUM / HYDROGEN MANIFOLD BLIND NUT
		CHKD VCW APPD K Long	
		ORIGINAL DATE OF DRAWING 18AUG56	
		APPLICABLE SPECIFICATIONS:	
MATERIAL 1 5/16 HEX, Brass Rod	HEAT TREATMENT	SCALE FULL	DWG SIZE A — 235115
		UNIT WT	SHEET OF

[redacted]

8428 MD-9A

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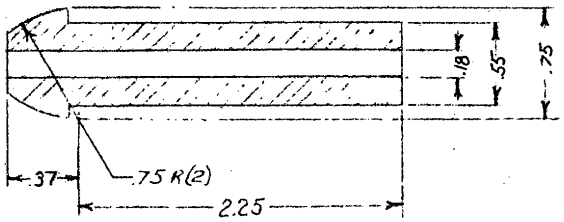
235208

SHEET / OF /

REVISIONS

SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	6-221	NEW RELEASE	10/2/56	K M L



OCT 4 1956

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES FRACTIONS DECIMALS ANGLES RADII	DR R.L.M.	ENGR	NAME HELIUM / HYDROGEN NIPPLE
		CHKD JCW	APPD L.M.L.	[redacted]
		ORIGINAL DATE OF DRAWING 10/1/56		
		APPLICABLE SPECIFICATIONS:		
MATERIAL	HEAT TREATMENT			SCALE FULL / UNIT WT ~ / DWG SIZE A / 235208 / SHEET / OF /

8428 MD-9A

Declassified and Approved For Release 2012/10/26 : CIA-RDP78-03639A001200030001-8

235209

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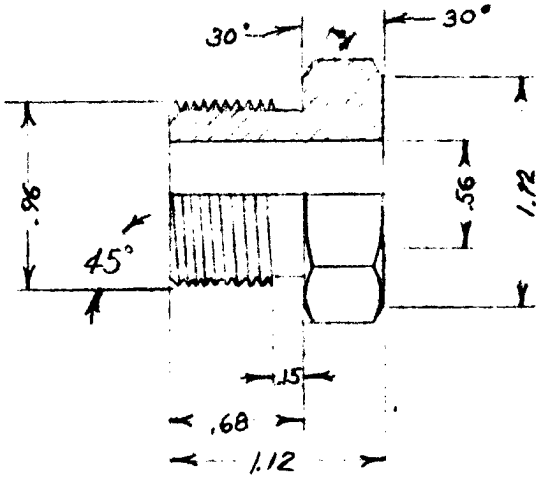
REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROV
	6-222	NEW RELEASE	9/2/56	K.M.



OCT 4 1956

CONFIDENTIAL

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES FRACTIONS DECIMALS ANGLES RADII	DR R.L.M.	ENGR [illegible]	NAME HELIUM / HYDROGEN HEX. NUT
		CHKD JCW	APPD K.M.L.	
		ORIGINAL DATE OF DRAWING 10/2/56		
MATERIAL	HEAT TREATMENT	APPLICABLE SPECIFICATIONS:		

SCALE FULL

UNIT WT ~

DWG SIZE A

235209

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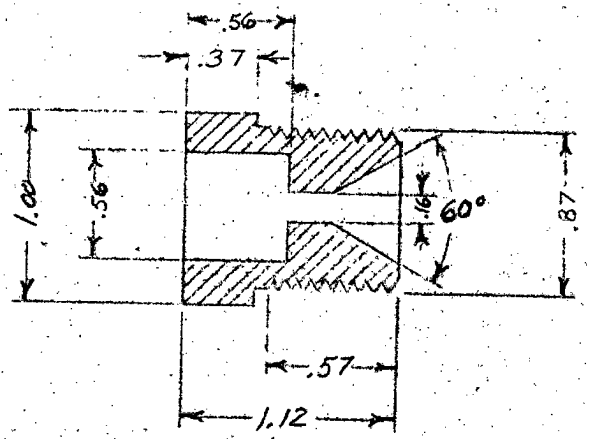
CONFIDENTIAL

235210

SHEET 1 OF 1

REVISIONS				
SYM	ECO NO	DESCRIPTION	DATE	APPROVAL
	6-223	NEW RELEASE	10/2/56	KML



OCT 4 1956

CONFIDENTIAL

ADDITIVE FINISH	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES FRACTIONS DECIMALS ANGLES RADII	DR R.L.M. ENGR	NAME HELIUM / HYDROGEN VALVE OUTLET
		CHKD JCW APPD KML	[redacted]
		ORIGINAL DATE OF DRAWING 10/2/56	
MATERIAL	HEAT TREATMENT	APPLICABLE SPECIFICATIONS:	SCALE FULL DWG SIZE A 235210
			UNIT WT SHEET 1 OF 1

8428 MD-9A

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